

Solar System Study Guide

Name: _____

Date: _____

Directions: Use this study guide to prepare for your test.

1. Do constellations change their shape and pattern? _____

2. Compared to other stars the sun is

3. A _____ is a tool that makes distant objects appear larger, brighter, and shaper.

4. What is the solar system?

5. What phase of the Moon occurs when all of the Moon's near side is sunlit?

6. What phase of the Moon occurs when the near side of the receives no sunlit?

7. We call one complete rotation of the Earth a _____.

8. When the Earth revolves around the Sun on complete time we call this a

_____.

9. The Hubble Space Telescope can be found _____.

10. How do scientists use telescopes?

11. When it is morning in California, what time of day is it on the other side of the Earth in Greece? _____

12. What object that rotates, causing day and night. _____

13. When it is early morning in the Northern Hemisphere, the sun is

14. When it is noon in the Northern Hemisphere, the sun is

15. Do planets and moons make their own light? _____

16. Does the sun revolve around Earth? _____

17. Is the Sun is a planet? _____

18. _____ is a dwarf planet.

19. How long does it take for the Earth to rotate on its axis? _____

20. What is the nearest star to Earth? _____

21. What is an axis?

22. How long does it take the Earth to revolve around the Sun? _____

23. When it is late afternoon in the Northern Hemisphere, the sun is

24. What causes the Sun to seem to move across the sky?

25. The Moon seems to change shape because

26. What season is it when the Northern Hemisphere is tilted toward the Sun?

27. What season is it when the Northern Hemisphere is tilted toward the Sun?

28. The two factors that cause seasons are

29. Does the moon reflect light from the Sun? _____

30. What is the changing shape of the moon called?

31. What is a star?

32. How many constellations are there? _____

33. What is a space probe?

34. What is a constellation?

35. Why does the Sun look larger than other stars?

36. Do stars rotate around the sun? _____

37. Stars appear to move because

38. Blue Stars _____	a. These stars are large. They burn their fuel very quickly and at high temperatures. They make up many of the stars we see at night. When this star dies of explodes in what is called a Super Nova.
39. Yellow Stars _____	b. These are medium-sized stars with medium heat. Our Sun is this kind of star. When this star dies it expands, then shrinks and leaves behind a gas cloud called a Planetary Nebula.
40. Red Stars _____	c. These stars are very small and burn their fuel very slowly. These stars live for a very long time, but make very little light.